

TECHNICAL EVALUATION REPORT (SUMMARY)

1. Name of Procuring Agency: University of Health Sciences Lahore
2. Method of Procurement: Single Stage two Envelopes
3. Title of Procurement: Procurement of Laboratory Equipment for Microbiology & Morbid Anatomy & Histopathology Department, University of Health Sciences, Lahore
4. Tender Inquiry No: UHS/Pur/1098/2021
5. Date & Time of Bid Closing: 19-03-2021 at 11:00 AM
6. Date & Time of Bid Opening: 19-03-2021 at 11:30 AM
7. Nos. of Bids Received: 15
8. Criteria for Bid Evaluation: Technical Qualification

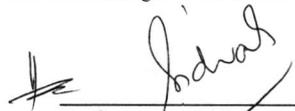
Microbiology Department

Sr. No	Items	Required Specifications	Vendors Participated														
			Worldwide Scientific	Forecare	Vital care	Elite Traders	New Chemical Centre	Pak Glorius	Chemical House	Hoora Pharma	Pakistan Hosp.	S.U Enterprise S	Rays Tech.	Unibrand	ScienTec	LabTree	Mod Scientific
			Not Qualified	Not Qualified	Not Qualified	Not Qualified	Not Qualified	Not Qualified	Qualified	Not Qualified	Not Qualified	Not Qualified	Not Quoted				
		Max ramp Rate, 5°C	Not mentioned	4.0°C /s/max	4.0°C /s/max	Not mentioned	According to specs	Not mentioned	According to specs	Max ramp rate 3.5°C	Not mentioned						
		Average ramp rate, 3.3°C	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	According to specs	Not mentioned	Not mentioned						
		heating and cooling method peltier	Yes, according to specifications	Not mentioned	Not mentioned	according to specs	According to specs	Yes, according to specifications	According to specs	Not mentioned	Not mentioned						
		Lid, °C Heat up to 105	Not mentioned	According to specs	According to specs	30°C-110°C	Not according to specs	Not mentioned	According to specs	Not mentioned	Not mentioned						
		Temp Range, °C 0-100	Not mentioned	4°C-105°C	4°C-105°C	4-99°C	According to specs	Not mentioned	According to specs	4-100°C	Not according to the specifications						
		Temp Accuracy ±0.2°C of programmed target at 90°C	Yes according to specifications	Temperature control accuracy 0.1°C	Temperature control accuracy 0.1°C	0.1°C	0.1°C	Yes according to specifications	According to specs	0.1°C	Yes according to the specs.						
		uniformity ±0.4°C well to well within 10 sec of arrival at 90°C	Not according to specifications	0.3°C	0.3°C	Not according to the specs	According to specs	Not according to specifications	According to specs	0.25°C	According to the specifications						
		operational Gradient Range, 30-100°C	According to specifications	According to specs	According to specs	4°C-99°C linear gradient tool	According to specs	According to specifications	According to specs	Not mentioned	25-99°C						
		Programmable gradient span, 1-24°C	According to the specifications	According to specs	According to specs	max/min Gradient 40°C/0.1°C	Not mentioned	According to the specifications	According to specs	Not mentioned	Not mentioned						
		Excitation 6 filtered LEDs	Not according to specifications	Not according to specs	Not according to specs	Not according to specs	Not according to specs	Not according to specifications	According to specs	Not according to specs	According to specs.						
		Detection 6 filtered photodiode	Not according to specifications	Not according to specs	Not according to specs	Not according to specs	Not according to specs	Not according to specifications	According to specs	Not according to specs	According to Specs.						
		Range of excitation/emission wavelength, nm 450-730	Not according to specifications	300-800nm 500-800nm	300-800nm 500-800nm	According to specs	Not mentioned	Not according to specifications	According to specs	Not according to the specs	Not mentioned						
		sensitivity detects 1 copy of target sequence in human genomic DNA	According to the specifications	Not mentioned	Not mentioned	According to specs	According to specs	According to the specifications	According to specs	Not mentioned	Not mentioned						
		Dynamic Range 10 orders of magnitude	According to the specifications	Not according to specs	Not according to specs	According to specs	According to specs	According to the specifications	According to specs	Not mentioned	Not mentioned						
		scan time All	Not mentioned	5.5sec	5.5sec	6 sec	Not mentioned	Not mentioned	According to	Not	Not mentioned						



	channels 12sec VIC/HEX/TET/CAL Red/ROX/TEXAS Red/Quaser670 dyes/Cal Orange 569	Not according to the specifications	Not according to specs	Not according to the specifications	specs According to specs	mentioned Not according to the specs.	Not according to specs.								
	operating system Window 7, Window 8, Window10 Multiplex analysis up to 5 targets per well	Not mentioned	According to specs	According to specs	According to specs	According to specs	Not mentioned	According to specs	Not mentioned	Not mentioned					
	Licensed for real-time PCR	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	According to specs	Not mentioned	Not mentioned					
	sample capacity 96 wells	According to the specifications	According to specs	According to specs	According to specs	According to specs	According to the specifications	According to specs	Yes, according to the specs	According to the specs					
	384 wells on upgradation	Not according to the specifications	Not according to specs	Not according to the specifications	According to specs	Not according to the specs	not mentioned								
	sample size 1-50ul (10-25 recommended)	Not according to the specifications	Not according to specs	Not according to specs	5-100µl	15-100µl	Not according to the specifications	According to specs	Not according to specs	10-30µl					
	communication interface USB 2.0	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	Not mentioned	According to specs	Not mentioned	Not mentioned					
	Electrical approvals IEC, CE	Not mentioned	According to specs	According to specs	Not according to specs	Not according to specs	Not mentioned	According to specs	According to specs	Not mentioned					
	Latest Branded Desktop/laptop system Online UPS	Not according to the specifications	according to specs	Not according to specs	According to specs	Not mentioned	Not according to the specifications	According to specs	Not mentioned	Not mentioned					
	Starter kit	Not mentioned	According to specs	Not mentioned	Not mentioned	Not mentioned	Not mentioned	According to specs	According to the specs	Not mentioned					

All technical bids were evaluated by Microbiology Department against the laid specifications and comparative statement (summary/detail) is being submitted to Chairman Tender Committee and Incharge Purchase Cell for further necessary action.


Professor Dr. Sidrah Saleem(EndUser)
HOD Microbiology

Morbid Anatomy & Histopathology Department

Sr #	Items	BOQs	Hoo ra	Chemical H	Elite	Lab Tree	Uni Brand	Pakistan GE	Mood	Science Tech	New Chemical	Pakistan Hospital	Vital Care	For Care	WWS	Rays	SU Enter
1	PCR work station with moveable bench	Minimum external Size (WxDxH) 1000x750x1950 mm, exhaust airflow volume 500-600 m ³ /h, material main body stainless steel, material work table stainless steel. Standard accessories should be spotlight; UV lamp; fluorescent lamp, exhaust system.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified			
2	Pipette set with Stand Range 0.1-2.0 ul, 2-20 ul, 20-200 ul, 100-1000 ul	Should be Easy operation for right- and left-handed users, volume lock system, low pipetting forces, highly durable shaft, UV resistant, recalibration system, autoclavable. 0.1 to 2.0 µl, 2 to 20µl, 20 to 200µl, 100 to 1000µl. F-Stand, Linear Stand, hold 6 Manual Pipettes Suitable for both single channel and multichannel models, Autoclavable, Sturdy crossbar structure with slot for each pipette for secure storage	Not Quoted	Not Quoted	Not Quoted	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified	Not Quoted	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted no UV resistant, which is not as per required specification therefore, Not Qualified
3	15 ML Centrifuge machine with UPS	Should be high accuracy of speed, RPM or G force can be set and displayed, Temperature range from 2-8 °C, Operation can be timed from 10 seconds to 99 minutes or continuous running, quick	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Vender has quoted 4000 rpm and we needed 6000 rpm which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Vender has quoted 5000 rpm and we needed 6000 rpm which is not as per required specification therefore, Not Qualified	Vender has quoted 4*100 ml we needed 8*15 ml which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified

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		spins are possible by pressing and holding PULSE key. Maximum speed 300-6000rpm, 100 rpm increments, rotor capacity should be 8 x 15ml centrifuge tubes. Maximum RCF 2490xg, Run Time 10 secs to 99 mins Timer OR Continuous Operation, dimensions (L) 11.0 x (W) 10 x (H) 5.5 inches.															
4	High speed Micro-Centrifuge machine	Microcentrifuge should be 24-places with 24x, 5/2.0 ml rotor capacity, maximum speed 15000rpm (100-15000 rpm, Maximum RCF 21380xg, increments 10xg, Temperature range from 2-8 °C, Speed Accuracy (rpm) should be ±20 rpm, run time 10 sec-99 min Hold (continuous operation), brushless DC motor, should be Dual door interlock, over-speed detection, over temperature detection, automatic internal diagnosis.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted 12*10 ml and we needed 24*2 ml which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted 17800 rcf and we needed 21000 rcf which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified
5	Orbital Digital Shaker	System should have orbital shaking mode, Speed range 80-500 RPM, Timer 1 to 999 minutes, orbit diameter 10mm, operating temperature range +4 - 40°C, maximum humidity 80%, plate dimensions 12 x 12 inches and 30W and digital display.	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted 450 rpm and we needed 500 rpm which is not as per required specification therefore, Not Qualified	Vender has quoted 300 rpm and we needed 500 rpm which is not as per required specification therefore, Not Qualified	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	

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6	Digital Ultras onic Proce ssor/ Homo genize r	Standard probes with diameter of 3 mm, 6 mm and 13 mm with stand. Digital display with controllable Ultrasonic Consumption 130-250 Watt, frequency 20-25 kHz. Capacity volume of 200 ul to 250 ml and time 1 sec to 10 hours. Pulsar on and off cycle.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Vender has quoted continuous operating which is not as per required specification therefore, Not Qualified	Vender has quoted cell disruptor and we needed homogenizer which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted cell disruptor and we needed homogenizer which is not as per required specification therefore, Not Qualified
7	Ther moc yler with UPS 2 KVA	Thermal cycler temperature range should be 0°C - 105°C, temperature accuracy ±0.25°C of set temperature, temperature resolution 0.1°C increments, heating / cooling rate 3°C/sec maximum (block), well configuration 96 Well block supporting: 0.2mL tubes or strips tubes with flat or domed caps; 96 Well high or low skirt plates with strips caps, linear thermal gradient, programmable 0-20°C. USB interface to Windows based PC. USB host port Software should be supplied with unlimited user license free upgrades available via web download, should be touchdown/up, longer-range, linear thermal, gradient, program pauses, temperature graphing, temperature logging (PC only) and 2 KVA UPS pure sine wave.	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified

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8	Laboratory Dryin g Oven / Incub ator	Working temp range at least 5or 10above ambient temperature to +300 °C. Setting temp accuracy up to 99.9 °C: 0.1 / from 100 °C: 0.5, Setting temp range +20 to +300°C. Temp sensor 2 Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error, easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides. Volume 53 L, Max. number of internals 4, Max. loading of chamber 80 Kg, Dimensions w x h x d 400 x 400 x 330 mm.	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Vender has quoted 100 temp and we needed 300 temp which is not as per required specification therefore, Not Qualified	Quoted as per BOQs Qualified				
9	Gel Electrophoresis Horizontal Unit with power supply	Gel Electrophoresis System with 04 plates having size 60 x 60 mm, 120x60mm; 60x120mm 120x120mm with electrode and power cable. Gel Size (WxL) :60x60mm; 120x60mm; 60x120mm 120x120mm. Sample volume: 3, 6,8,11,13, 18 ,25. Buffer Volume: ~550ml. Dimension (Lx WxH) :300x160x75 (mm) Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process. Unfolded electrodes make	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Quoted as per BOQs Qualified	Not Quoted

		repair and parts replacement easy and quick. With the sample background color design on the tray, convenient to adding the sample. The transparent top lid effectively prevents liquid in the cell from volatilizing and avoids electricity leakage. Auto-switch-off when the lid is removed.																	
10	Slides Storage Cabinet	<p>Capacity: 60,000 slides,</p> <p>Designed to hold up to 2,000 slides per box and one cabinet contains 9 boxes.</p> <p>Partitioned Drawers for easy retrieval</p> <p>Double tabbed in back for additional safety</p> <p>Printing on box front designed for easy inventory identification</p> <p>Internal corrugated construction designed for multiple stacking</p> <p>Sold in unassembled cases of 10 boxes</p> <p>50 In/Out Cards come with each Slide/Cassette case for slide retrieval documentation</p> <p>25 Index Cards come with each Slide Kit for slide retrieval documentation</p> <p>Additional cards and removable tray labels available for bulk purchase</p> <p>Internal corrugated construction</p>	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	
						Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified									

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		supports up to 250 lbs and the tray remains easily																
11	Block Storage Cabinet	Capacity 20,000 Durable 18-gauge, type 304 stainless steel construction. Four adjustable shelves on 2" increments plus bottom shelf. Shelves support up to 400 lbs. each. Shelves 04 in number Full length piano hinges on doors	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Quoted as per BOQs Qualified				

All technical bids were evaluated by Morbid Anatomy & Histopathology Department against the laid specifications and comparative statement (summary/detail) is being submitted to Chairman Tender Committee and Incharge Purchase Cell for further necessary action.

Nadia Naseem

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Professor Dr. Nadia Naseem (EndUser)
HOD Morbid Anatomy &
Histopathology Department

No Complaint Shall be entertained after 07 days of display of Technical Evaluation report.

Dr. Allah Rakha

Dr. Allah Rakha
Chairman, Tender Committee

Lt.Col.(Retd) Dr. Khalid Rahim

Lt.Col.(Retd) Dr. Khalid Rahim
Incharge Purchase Cell